

## TOPICS FOR BACHELOR/MASTER THESIS ANALYSES OF SYSTEM ENGINEERING PROJECTS

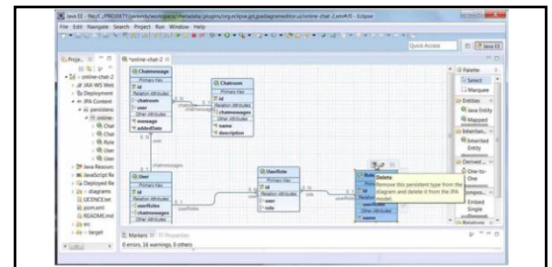
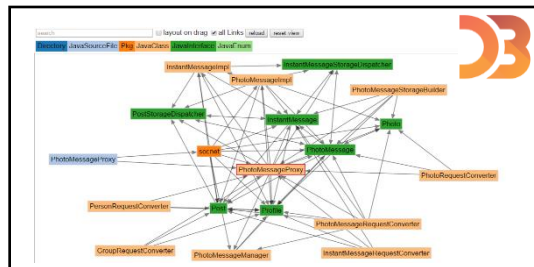
### Contact

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### Task Definition:

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For further information of the concrete BA/MA theses make an appointment with S. Hillemacher.



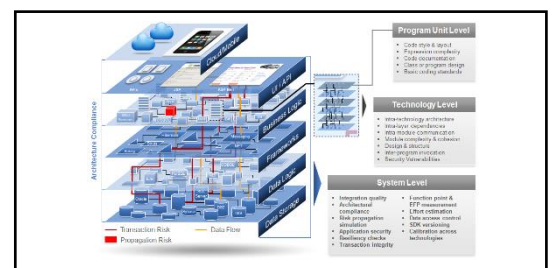
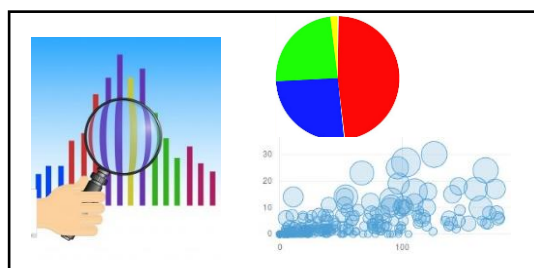
**Visualization:**  
Build interactive Visualization Tools with d3 and angular to display Artifact Data.

**Modeling Languages:**  
Integrate existing MontiCore languages to ensure Data Consistency during Artifact Analysis.



**Toolchain:**  
Extend and Optimize the *MontiArT*-Toolchain. Build new Data Extractors or manage the Data with NoSQL Databases.

**Application:**  
Configure, Adapt and Apply the *MontiArT*-Toolchain to further Use Cases.



**Analyses:**  
Develop new Analysis Algorithms suitable for System Engineering.

**Architecture Checks:**  
Analyze Software Architectures and develop new approaches to check their conformance.